

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended): A distributor plate ~~adapted to be~~ releasably mounted on a horizontal lower disc of a rotor ~~[[of]]~~ for a vertical shaft impact crusher, said rotor having an opening for the intake of material to be crushed and at least one outflow opening for material leaving the rotor, wherein a shape of the distributor plate is an equilateral polygon as seen from above.

2. (Currently Amended): The ~~[[A]]~~ distributor plate according to claim 1, wherein the shape of the distributor plate is selected from the group consisting of triangular, square, hexagonal, octagonal and nonagonal shapes.

3. (Currently Amended): The ~~[[A]]~~ distributor plate according to claim 1, wherein the number of sides of the polygon being chosen is selected such that the number of sides is 1, 2 or 3 times the number of outflow openings of the rotor to which the distributor plate is ~~to be~~ mounted.

4. (Currently Amended): The ~~[[A]]~~ distributor plate according to claim 3, wherein the number of sides is 2 times the number of outflow openings of the rotor.

5. (Currently Amended): The [[A]] distributor plate according to claim 1, wherein at least one straight side edge of the distributor plate is ~~adapted to be~~ parallel to an outflow direction of material leaving the rotor and ~~to be~~ is parallel and adjacent to a face of a lower wear plate protecting the lower disc from wear.

6. (Currently Amended): The [[A]] distributor plate according to claim 1, wherein the distributor plate at the center ~~centre~~ of its lower face has a recess ~~adapted to make the~~ distributor plate horizontally turnable around a vertical shaft mounted on the lower disc, such that the position of the distributor plate in relation to the lower disc may be adjusted before mounting the distributor plate.

7. (Currently Amended): The [[A]] distributor plate according to claim 6, wherein the recess extends only through a part of the thickness of the distributor plate, the upper face of the distributor plate thus being unaffected by said recess.

8. (Currently Amended): The [[A]] distributor plate according to claim 6, wherein the distributor plate has a lower surface which is ~~adapted to be~~ located at a higher level than the upper surface of lower wear plates protecting the lower disc of the rotor, such that the distributor plate may be adjusted without removing the lower wear plates.

9. (Currently Amended): The [[A]] distributor plate according to claim 1, wherein the upper face of the distributor plate comprises an unbroken layer of a hard metal.

10. (Currently Amended): The [[A]] distributor plate according to claim 1, wherein the distributor plate comprises mounting means located at a vertical side edge of the distributor plate ~~and adapted for the mounting of a vertical support fixing the distributor plate to the lower disc of the rotor.~~

11. (Withdrawn – Currently Amended): A rotor for a vertical shaft impact crusher, the rotor having an opening for the intake of material to be crushed, at least one outflow opening for material leaving the rotor, and at least one lower wear plate and a distributor plate releasably mounted on a horizontal lower disc of the rotor, wherein the distributor plate [[is]] has a shape defined by an equilateral polygon as seen from above, at least one straight side edge of the distributor plate being parallel to an outflow direction of material leaving the rotor and being parallel to and adjacent to a face of the lower wear plate.

12. (Currently Amended): The [[A]] distributor plate according to claim 9, wherein the upper face of the distributor plate comprises an unbroken layer of tungsten carbide.

13. (New): A distributor plate adapted to be releasably mounted on a horizontal lower disc of a rotor of a vertical shaft impact crusher, wherein a shape of the distribution plate is an equilateral polygon as seen from above.

14. (New): The distributor plate according to claim 13, wherein the shape of the distributor plate is selected from the group consisting of triangular, square, hexagonal, octagonal, nonagonal, and dodecagonal shapes.

15. (New): The distributor plate according to claim 13, further comprising a recess at the center of its lower face adapted to make the distributor plate horizontally turnable around a

vertical shaft mounted on the lower disc, such that the position of the distributor plate in relation to the lower disc may be adjusted before mounting the distributor plate.

16. (New): The distributor plate according to claim 15, wherein the recess extends only through a part of the thickness of the distributor plate, and wherein the upper face of the distribution plate is free of the recess.

17. (New): The distributor plate according to claim 13, wherein the upper face of the distributor plate comprises an unbroken layer of a hard metal.

18. (New): The distributor plate according to claim 13, wherein the upper face of the distributor plate comprises an unbroken layer of tungsten carbide.

19. (New): The distributor plate according to claim 13, further comprising mounting means located at a vertical side edge of the distributor plate adapted for the mounting of a vertical support fixing the distributor to the lower disc of the rotor.

20. (New): The distributor plate according to claim 19, wherein the mounting means comprises a hole with an inner thread adapted to receive a bolt.